IN THE CLAIMS:

1. – 13. (canceled)

14. (new) An exchange comprising:

a first trunk that is connectable to an Internet gateway that includes a voice processing part for converting voice into packet data;

a second trunk that is connectable to a public telephone network;

a switch control part for controlling the exchange to switch a route of a call from a network to another network;

a re-origination control part for controlling the exchange to re-originate a call after switching the route; and

a memory for storing a telephone number of a called party;

wherein the telephone number is received from the calling party, wherein the switch control part causes the exchange to disconnect a connection to the Internet gateway via the first trunk and to release the first trunk in response to pushing a button by a caller of the calling party after an on-hook operation by the caller during a telephone call to the called party via the Internet via the first trunk, and wherein the re-origination control part then causes the exchange to re-originate a call of the calling party to the called party via the public telephone network via the second trunk by using the telephone number of the called party stored in the memory.

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15. (new) An exchange comprising:

a first trunk that is connectable to an Internet gateway that includes a voice processing part for converting voice into packet data;

a second trunk that is connectable to a public telephone network;

a switch control part for controlling the exchange to switch a route of a call from a network to another network;

a re-origination control part for controlling the exchange to re-originate a call after switching the route; and

a memory for storing a telephone number of a called party;

wherein the telephone number is received from the calling party, wherein the switch control part causes the exchange to disconnect a connection to the Internet gateway via the first trunk and to release the first trunk in response to pushing a button by a caller of the calling party after a flash operation by the caller during a telephone call to the called party via the Internet via the first trunk, and wherein the re-origination control part then causes the exchange to re-originate a call of the calling party to the called party via the public telephone network via the second trunk by using the telephone number of the called party stored in the memory.

16. (new) An exchange comprising:

a first trunk that is connectable to an Internet gateway that includes a voice processing part for converting voice into packet data;

a second trunk that is connectable to a public telephone network;

a switch control part for controlling the exchange to switch a route of a call from a network to another network;

a re-origination control part for controlling the exchange to re-originate a call after switching the route; and

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a memory for storing a telephone number of a called party;

wherein the telephone number is received from the calling party, wherein the switch control part causes the exchange to disconnect a connection to the Internet gateway via the first trunk and to release the first trunk in response to receiving a special number dialed by a caller of the calling party after an on-hook operation by the caller during a telephone call to the called party via the Internet via the first trunk, and wherein the re-origination control part then causes the exchange to re-originate a call of the calling party to the called party via the public telephone network via the second trunk by using the telephone number of the called party stored in the memory.

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